

## Refine Search

### Search Results -

Terms	Documents
L9 and L11	3

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L12

Refine Search

Recall Text

Clear

Interrupt

### Search History

 DATE: Friday, January 28, 2005    [Printable Copy](#)    [Create Case](#)

Set Name Query  
side by side

Hit Count Set Name  
result set

*DB=USPT; PLUR=YES; OP=ADJ*

<u>L12</u>	19 and L11	3	<u>L12</u>
<u>L11</u>	166/105.ccls. or 166/105.5.ccls. or 166/105.1.ccls.	699	<u>L11</u>
<u>L10</u>	deflector and L9	6	<u>L10</u>
<u>L9</u>	chamber and L8	220	<u>L9</u>
<u>L8</u>	gas line and L7	306	<u>L8</u>
<u>L7</u>	15 and L6	17520	<u>L7</u>
<u>L6</u>	plunger or multiphase or multi-phase	105062	<u>L6</u>
<u>L5</u>	separat\$3 and pump	257308	<u>L5</u>
<u>L4</u>	12 and L3	1	<u>L4</u>
<u>L3</u>	phase or synchron\$5	926249	<u>L3</u>
<u>L2</u>	6102673.pn.	1	<u>L2</u>
<u>L1</u>	6719071.pn. or 6837313.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L4 and L9 and L12	41

Database:

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

L13

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, January 28, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> <u>Query</u> side by side	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L13</u> 14 and 19 and L12	41	<u>L13</u>
<u>L12</u> 166/351.ccls. or 166/368.ccls. or 166/383.ccls. or 166/54.1.ccls. or 166/67.ccls. or 166/68.ccls. or 166/70.ccls. or 166/72.ccls. or 166/105.ccls. or 166/105.5.ccls. or 166/108.ccls. or 166/153.ccls. or 166/155.ccls.	2523	<u>L12</u>
<u>L11</u> 17 and L10	18	<u>L11</u>
<u>L10</u> 18 and L9	2036	<u>L10</u>
<u>L9</u> (sub-sea or subsea) and L8	2036	<u>L9</u>
<u>L8</u> (sea floor or riser)	23876	<u>L8</u>
<u>L7</u> 15 and L6	263	<u>L7</u>
<u>L6</u> (phase or counter synchron\$5)	757178	<u>L6</u>
<u>L5</u> 13 and L4	1314	<u>L5</u>
<u>L4</u> pump\$3 and (plunger or piston)	100453	<u>L4</u>

L3 11 and L2  
L2 drill bit or cutter  
L1 drilling fluid or mud

7007 L3  
93353 L2  
29118 L1

END OF SEARCH HISTORY